

Commissioner for Patents  
Mail Stop: Patent Application  
P. O. Box 1450  
Alexandria, Virginia 22313-1450

**NEW APPLICATION TRANSMITTAL**

Transmitted herewith for filing is the patent application of:

Inventor(s): Ramesh Varadaraj et al.

For:

**1. Type of Application**☒ Original (nonprovisional)☐ Divisional☐ Continuation

of copending application(s)

☒ application number 60/435,059 filed on December 20, 2002**2. Benefit of Prior U.S. Application (35 U.S.C. 119(e), 120, 121)**

☐ The new application being transmitted claims the benefit of prior U.S. application(s).  
Enclosed are ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF  
PRIOR U.S. APPLICATION(S) IS(ARE) CLAIMED.

**3. Papers Enclosed**☒ Application ( 21 pages), including 15 claims ( 5 pages), and 1 page Abstract;☐        sheet(s) of informal drawings;☒ 2 sheet(s) of formal drawings;☐ Preliminary Amendment☐ Information Disclosure Statement, EMRE Form -1449;☐ Copies of citations as listed on attached EMRE Form - 1449;☐ Other**4. Declaration**☒ Enclosed☐ Not Enclosed

☒ Priority of application Serial No. 60/435,059 filed on December 20, 2002 in  
USA (Country) is claimed under 35 U.S.C. 119.

**CERTIFICATE OF MAILING (37 CFR 1.10)**

I hereby certify that this new application transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal service on the date shown below in an envelope as

"Express Mail Post Office to Addressee" Mailing Label Number E U 8 6 2 9 0 8 8 5 2 U S addressed to the: Commissioner for Patents, Mail Stop: Patent Application, P.O. Box 1450, Alexandria, VA 22313-1450.

TERESA L. LACHOWSKI  
(Name of person mailing paper)

Teresa L. Lachowski  
(Signature of person mailing paper or fee)

10/7/03  
Date



27810

PATENT TRADEMARK OFFICE

22154 U.S. PTO  
10/680812  
100703

**5. Fee Calculation - Regular Application**

(1) For	(2) Number Filed	(3) Number Extra	(4) Rate	(5) Basic Fee \$770.00
Total Claims	<u>15</u> - 20	-	x 18.00	<u>770.00</u>
Independent Claims	<u>3</u> - 3	-	x 86.00	-
Multiple Dependent Claim(s) if any			+ 290.00	-
TOTAL FILING FEE				<u>\$770.00</u>

☐ Fee for recording Assignment \$ \_\_\_\_\_☒ Please charge Deposit Account No. 05-1330 in the amount of \$ 770.00☒ The Commissioner is hereby authorized to charge any additional fees under 37 CFR 1.16 and 1.17 which may be required during the entire pendency of the application, or credit any overpayment, to Deposit Account No. 05-1330. A duplicate copy of this Form is enclosed.**6. Assignment**☐ An assignment of the invention to ExxonMobil Research and Engineering Company (formerly Exxon Research and Engineering Company) is attached. A separate☐ "COVER SHEET FOR ASSIGNMENT (DOCUMENT) ACCOMPANYING NEW PATENT APPLICATION" or☐ FORM PTO 1595 is also attached.☒ will follow.

NOTE: "If an assignment is submitted with a new application, send two separate letters-one for the application and one for the assignment." Notice of May 4, 1990 (1114 O.G. 77-78)

**7. Certified Copy**

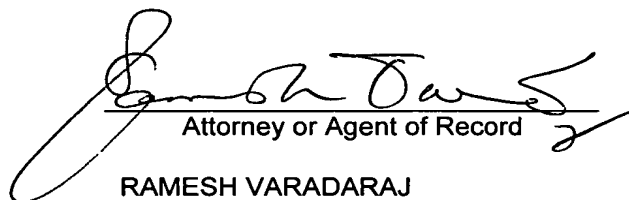
Certified copy(ies) of application(s)

Country \_\_\_\_\_ Appln. No. \_\_\_\_\_ Filed \_\_\_\_\_

From which priority is claimed

☐ is (are) attached.☐ will follow.Oct- 6<sup>th</sup> 2003

Date of Signature

  
Attorney or Agent of Record

RAMESH VARADARAJ

Registration No. 48,010

Facsimile Number: (908) 730-3649

☒ Pursuant to 37 CFR 1.34(a)**Post Office Address**

(to which correspondence is to be sent):

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